Chatbots & drones
The future of technology for social housing

Housing Technology 2019

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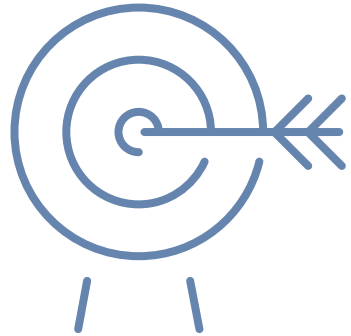
6th March 2019

Aareon

Our mission

As the **leading provider** of software solutions and services for the **European real estate industry**, Aareon is setting the standards for the management of **complex business processes** in a continuously changing environment. In everything we do, we aspire to give our customers, shareholders and employees the reassuring feeling of having made the right choice with Aareon.



The Aareon SMART WORLD

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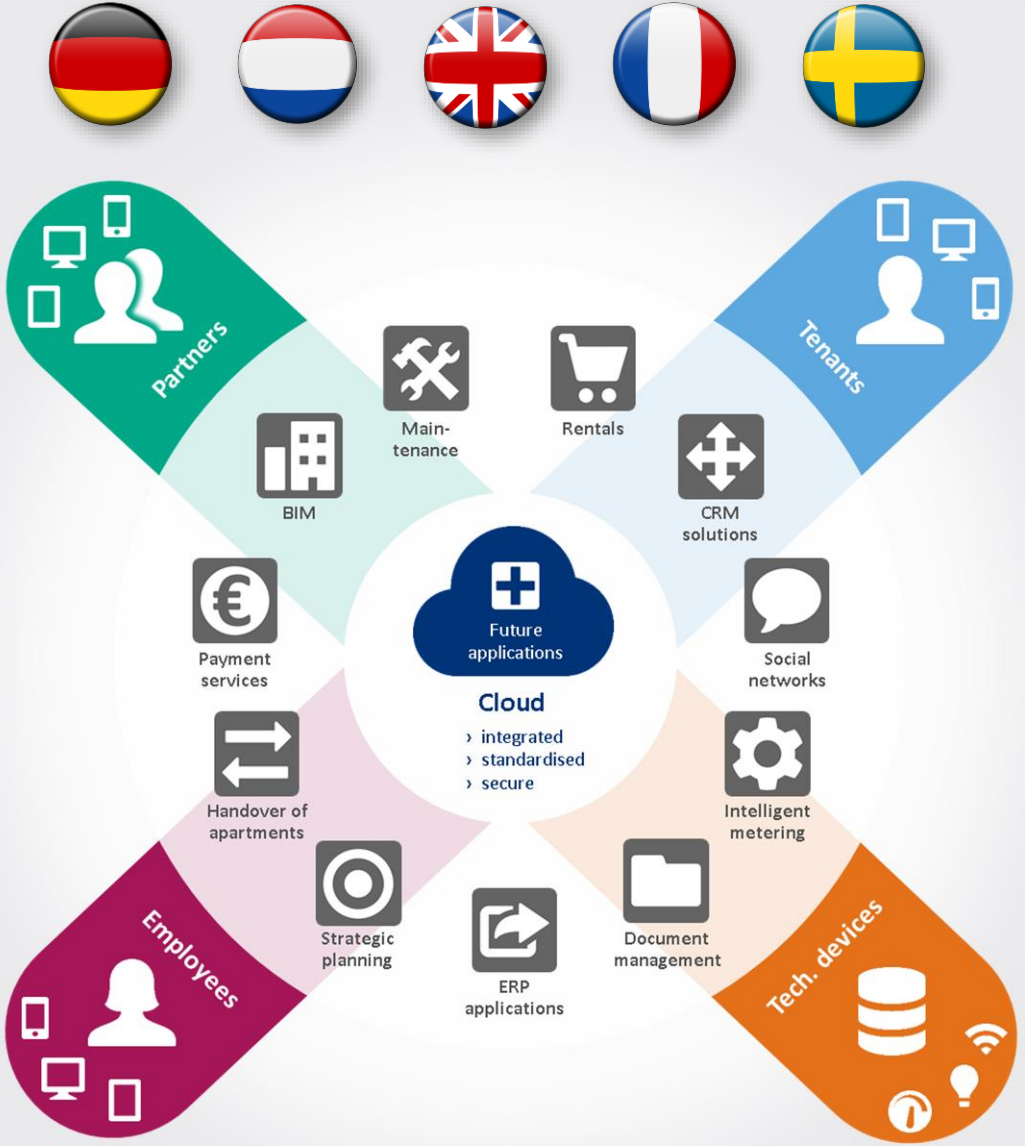

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Shaping the future of the digital real estate industry and partners

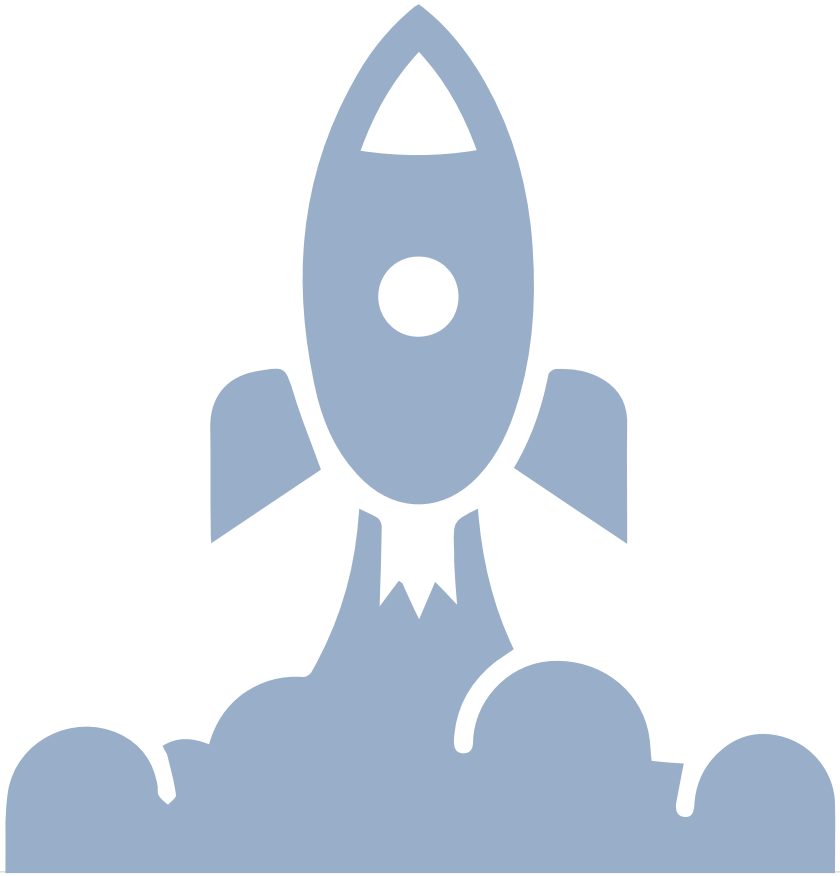
The Aareon Virtual Assistant

The Aareon INNOVATION LAB

Our Innovation Lab: a dedicated team for **innovation**

Future-oriented, innovative addition to the Aareon Smart World

Explore new trends which can be used in the real estate industry



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Our last trend: **the virtual assistant**

Simplify the user experience using the natural language and machine learning…

Enlarge the business process by integrating new capabilities such as machine learning and image recognition…

Our virtual assistant: **examples of use cases for tenants**

Create a technical request by voice exchanges…

Get information in a few second such as the amount of the debt…

Answer to a survey, take an appointment…

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Our virtual assistant: **examples of use cases for field employees**

Get all information on the next visit…

Get some KPIs on a building and an area…

Create and follow-up a claim…

Our virtual assistant: **examples of use cases for ERP employees**

Simplify the access to the documentation…

Get some KPIs and information…

Simplify the navigability in the product…

Our virtual assistant: **can do more and more with image recognition…**

Take a picture and send it to the Chatbot

A Digital Platform Service analyze the picture content and return a list of identified objects and ratio of them in the picture

```
This picture contains:
5% a towel, 78% a sink, 2% a tap, 3% a ring…
```

> The virtual assistant opens new way of the user experience in all industry…

Aareon Smart World supported by drone technology

Drones for housing management?

Winner of an idea competition

Aareon´s got talent

Collecting pictures

Performing security tasks using drone technology

1. Aareon Smart World creates inspection task
2. Transfer job data to drone app (GPS, object address, what to inspect, ...)
3. Run inspection flight with drone
4. Transfer: pictures and GPS location to drone app
5. Drone app transfers whole data back to the Aareon Smart World. Tells „Job is done“.

Assign a flight path – taking pictures on different angles

Flight path consists of:

- Set **borders**
- Set flight **directions**
- Set **grid spacing**
- Set **height** for the flight
- Set **angle** of camera
- Set **place** for start and landing

The flight is fully autonomous.

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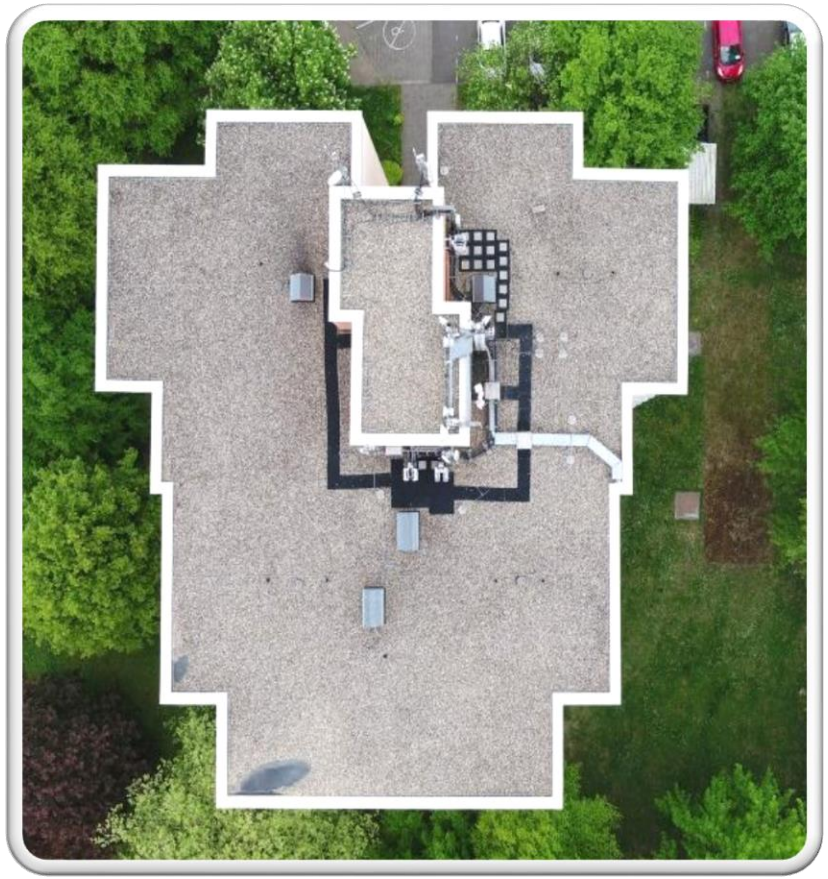
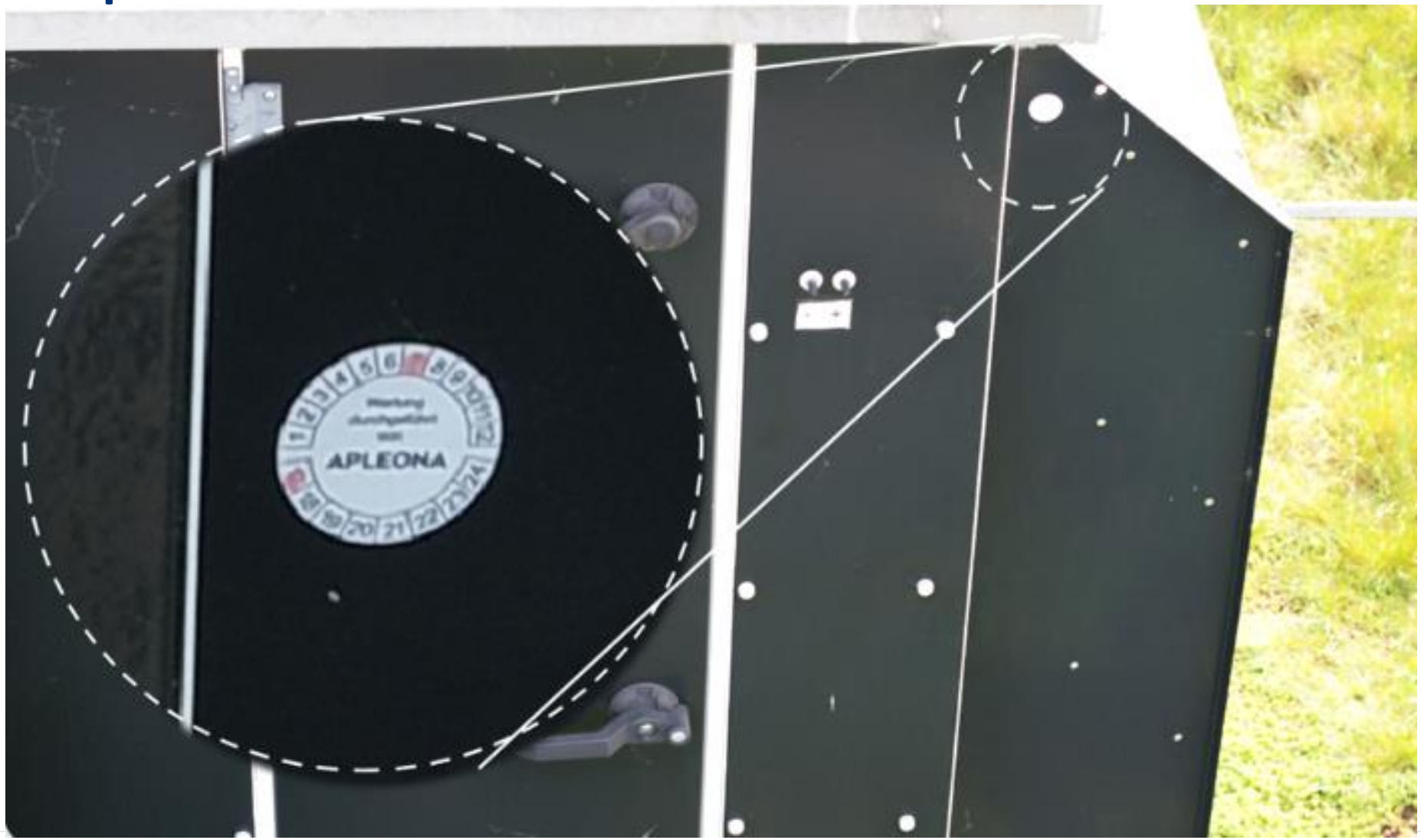
Experiments with different photo lenses

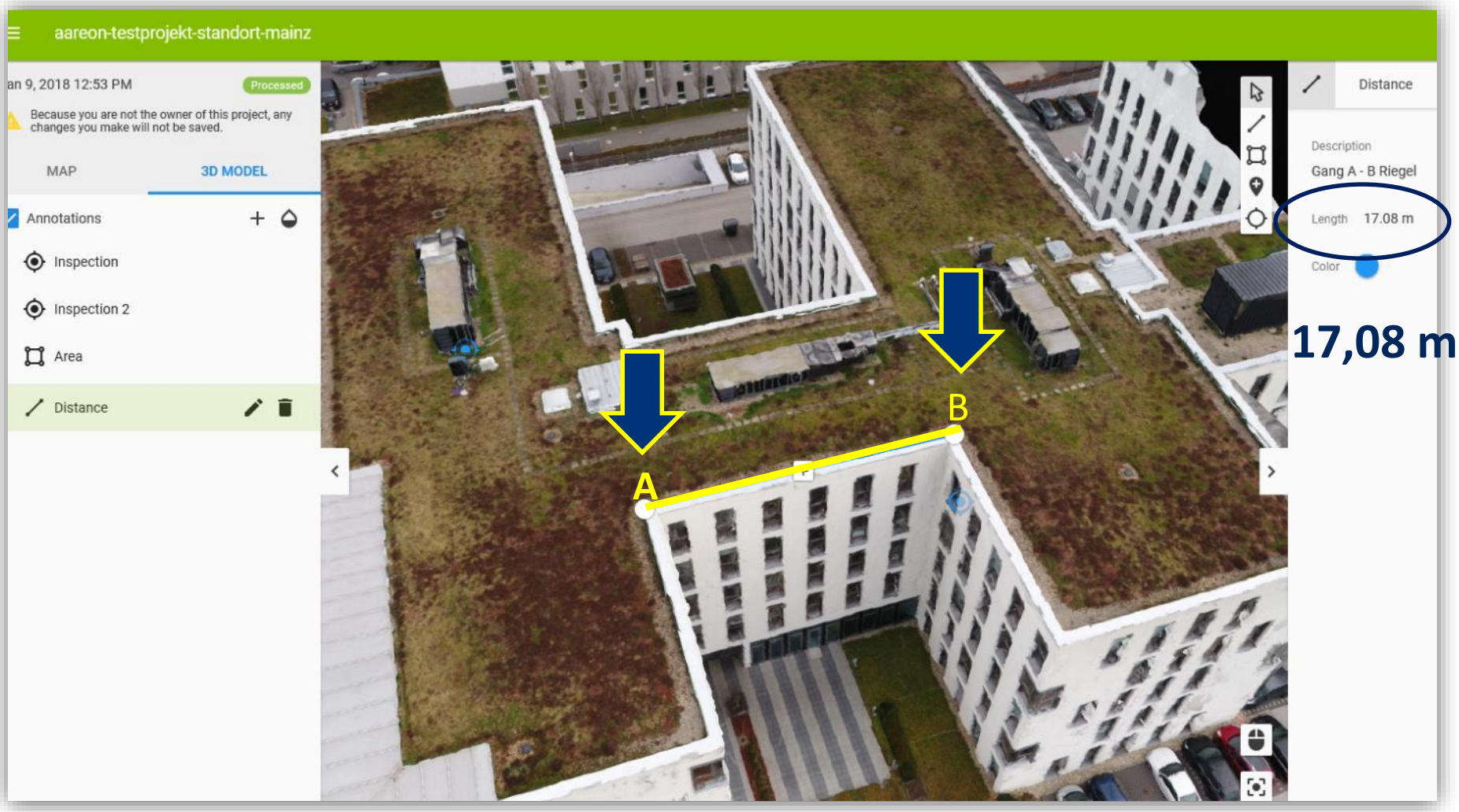
Check lightning conductors



Read inspection labels



In the 3D-model: measure distances between two points



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In the 3D-model: measure areas

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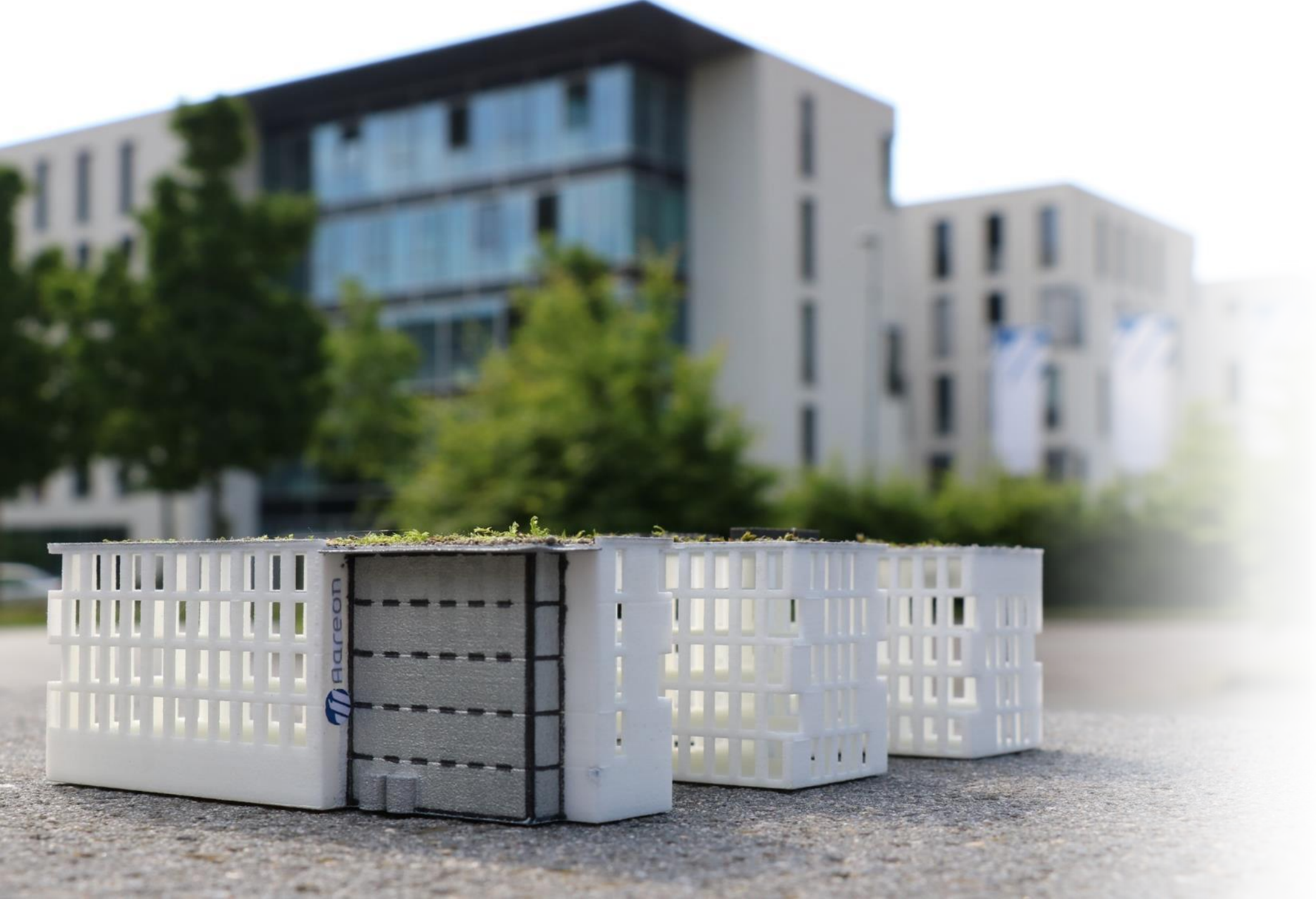

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Innovation has always been in our DNA

60 years of EXPERIENCE

60 years of INNOVATION

60 years of SUCCESS

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